CONSTRUCTION DETAILS

A. Install a 27 ft. steel pole with twin 70 ft. and 60 ft. mast arms, signal heads, signs and a 20 ft. lighting arm with 250 watt HPS lamp and luminaire. (Note: one - 3 in. PVC schedule 80 conduit bend. Top of pole foundation to be flush with existing sidewalk. Retaining wall as specified by SHA will be required due to cut into existing slope embankment. Coordination of the relocation of overhead utilities and cutting of enbankment with SHA and others will be needed to install pole and arm.

B. Remove existing steel strain pole and foundation.

C. Install NEMA size '6' Base Mounted Cabinet and Controller with all necessary equipment. (Note: Two - 4 in. and two - 2 in. PVC schedule 80 conduit bends). Pull all proposed electrical cables into controller cabinet and properly tag/label each cable. All internal wiring shall be conducted by Montgomery county forces. SHA forces shall remove the controller and all auxiliary equipment from the controller cabinet. The cabinet and all other materials to be removed by the contractor shall become the property of the contractor.

D. Install 2 in. schedule 80 PVC electrical conduit (trenched) (for electrical service).

E. Video detection zone.

F. Install Autoscope Detection Unit, associated hardware, and wiring. Detection area to cover each approach lane.

G. Deleted

I. Install preformed 5 in. (white) thermoplastic, heat-applied, pavement markings as shown.

J. Install permanent pavement marking symbol.

K. Install handhole.

M. Abandon existing conduit.

N. Install overhead service to the relocated utility pole. Contractor to coordinate with PEPCO for service.

O. Remove handhole. (Cap and abandon attached conduit).

P. Abandon existing loop detectors.

Q. Install 24 in. (white) thermoplastic, heat-applied stopline pavement markings as shown.

R. Install 12 in. (white) thermoplastic, heat-applied crosswalk pavement markings as shown.

S. Deleted.

T. Remove existing steel span wire, signal heads, signs, and associated wiring.

U. Remove and dispose existing Base Mounted Cabinet and Controller.

V. Install 4 in. schedule 80 PVC electrical conduit (slotted).

W. Install 10 ft. breakaway pedestal signal, foundation and ground rod (Note: 1 - 3 in. PVC 90 - degree bend).

X. Install 3 in. schedule 80 PVC electrical conduit (trenched).

Y. Install a 27 ft. steel pole with twin 70 ft. and 70 ft. mast arms, signal heads, signs and a 20 ft. lighting arm with 250 watt HPS lamp and luminaire. (Note: one - 3 in. PVC schedule 80 conduit bend).

Z. Detail Deleted.

AA. Remove existing markings.

BB. Install (2) 4 in. schedule 80 PVC electrical conduit (trenched).

GENERAL NOTES:

1. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the project Engineer immediatly so that the conflict may be resolved.

2. The Contractor shall confirm the location of proposed geometrics prior to the installation of new signal equipment.

3. All traffic signal equipment shall be installed to final grade.

4. Pavement markings detailed are proposed and shall be installed by the Contractor in accordance with SHA Standards.

5. A comprehensive signing and pavement marking plan to be prepared by others.

SIGNAL POLE/CONTROLLER LOCATION

POLE A

OLD GEORGETOWN RD. (MD 187) AT 2' SOUTH OF STATION 20+00, OFFSET RIGHT 53.5'.

POLE B

OLD GEORGETOWN RD. (MD 187) AT 29' NORTH OF STATION 19+00, OFFSET RIGHT 46'.

POLE C

ROCK SPRING DR. AT 19' EAST OF STATION 51+00, OFFSET LEFT 54'.

POLE D

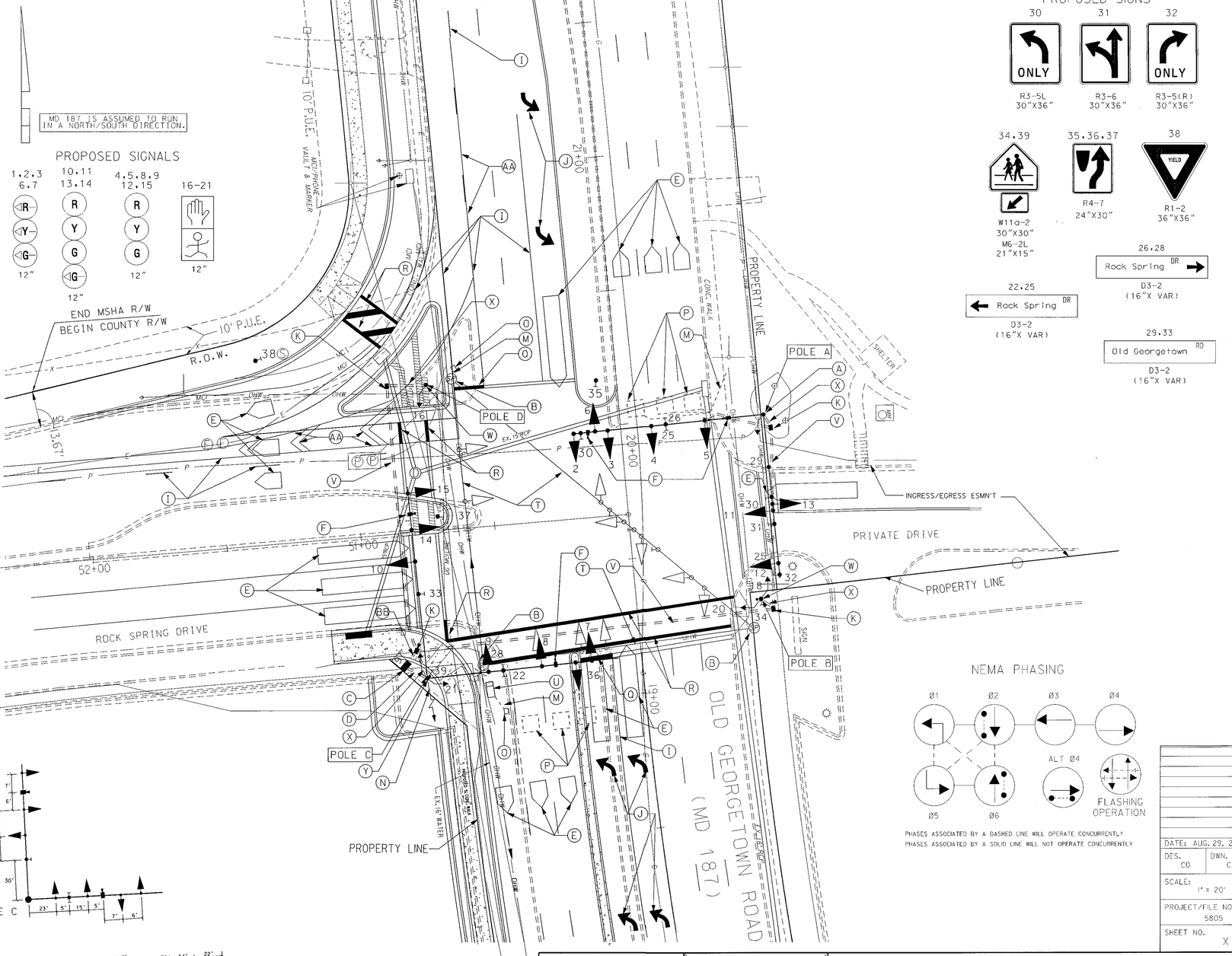
ROCK SPRING DR. AT 29' EAST OF STATION 51+00, OFFSET RIGHT 54'.

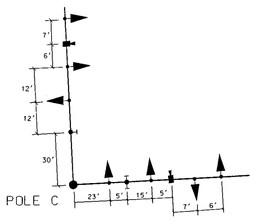
CONTROLLER

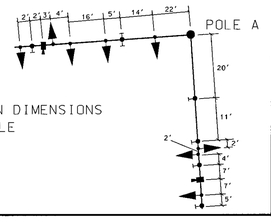
ROCK SPRING DR. AT 15.5' EAST OF STATION 51+00, OFFSET LEFT 51.5'

UTILITY LEGEND

—MCI—MCI—	GAS MAIN
—G—G—	WATER MAIN
—W—W—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—OHW—OHW—	AERIAL CABLES
—T—T—	TELEPHONE CABLES







SIGNAL HEAD AND SIGN DIMENSIONS NOT TO SCALE

PROPOSED SIGNS

NEMA PHASING

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

DATE: AUG. 29, 2000
DES. CD | DWN. CAD
SCALE: 1" = 20'
PROJECT/FILE NO. 5805
SHEET NO. X

WELLS & ASSOCIATES, LLC
TRANSPORTATION, TRAFFIC, AND PARKING CONSULTANTS
1420 Spring Hill Rd., Suite 600
McLean, VA 22102
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170 Jennifer Rd., Suite 260
Annapolis, MD 21401
Phone: (301) 970-2402 Fax: (410)266-9189

REVISIONS

A	RECONSTRUCTION OF SIGNAL DUE TO GEOMETRIC IMPROVEMENTS CON. # BW996MB2 9/27/02

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 187 (OLD GEORGETOWN ROAD) AND ROCK SPRING DRIVE

DRAWN BY: JAW	F.A.P. NO.	M08995172	TS NO. 4049A	SHEET NO. 1 OF 2
CHECKED BY: LES	S.H.A. NO.	MONTGOMERY		
SCALE: 1" = 20'	COUNTY:	150\8703.51	T.I.M.S. NO. E189	
DATE: 9/27/02	LOG MILE:			